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Since most of these companies are members of the Manufacturing Chemists' Association of the United States, a committee composed of these members was appointed by the association to pass on the proposals of the informal committee and to recommend the adoption of the specifications resulting from the informal committee's work as standard for the members of the Manufacturing Chemists' Association.

Arrangements have been made for full cooperation with the committee on guaranteed reagents and standard apparatus of the American Chemical Society, and also with the committee on standards of the Association of Scientific Apparatus Makers. These specifications will be considered carefully by committees of these three societies, and it is expected that they will then be published as tentative for a period of 6 months in order to give time for general criticism. At the end of that time the specifications will be adopted as final. In carrying on this work an effort will be made to obtain specifications which will insure the cheapest mode of manufacture of a given instrument consistent with the duties that it must perform. The committee desires to cooperate fully with all industries, and any communications should be forwarded to the chairman, Dr. E. C. Lathrop, E. I. du Pont de Nemours & Co., Wilmington, Delaware.

SCIENTIFIC NOTES AND NEWS

HENRY ANDREWS BUMSTEAD, professor of physics at Yale University and director of the Sloane Physical Laboratory, on leave of absence this year to act as chairman of the National Research Council, died suddenly on the night of December 31, while returning from attendance on the scientific meetings at Chicago.

At the Chicago meeting of the American Association for the Advancement of Science, vice-presidents of the association and chairmen of the sections were elected as follows: *Mathematics*, Oswald Veblen, Princeton University; *Physics*, G. W. Stewart, State University of Iowa; *Chemistry*, W. D. Harkins,

University of Chicago; *Astronomy*, S. A. Mitchell, Leander McCormick Observatory, University of Virginia; *Geology and Geography*, Willet G. Miller, University of Toronto; *Zoological Sciences*, Charles A. Kofoid, University of California; *Botanical Sciences*, Mel T. Cook, Rutgers College; *Anthropology*, Albert Ernest Jenks, University of Minnesota; *Psychology*, E. A. Bott, University of Toronto; *Agriculture*, J. G. Lipman, Rutgers College; *Education*, Guy M. Whipple, University of Michigan.

PROFESSOR BRADLEY M. DAVIS, professor of botany at the University of Michigan, was elected president, and Professor H. E. Crampton, of Columbia University vice-president, at the Chicago meeting of the American Society of Naturalists.

THE American Society of Zoologists has elected as president Professor Charles A. Kofoid, of the University of California, and as vice-president Professor Aaron L. Treadwell, of Vassar College.

FIFTY-FOUR members attended the annual meeting of the American Society of Biological Chemists, Inc., held in Chicago from December 28 to 30. Officers elected for the year 1921 were: *President*, Donald D. Van Slyke; *Vice-president*, Philip A. Shaffer; *Secretary*, Victor C. Myers; *Treasurer*, Harold C. Bradley; *Additional Members of the Council*, Stanley R. Benedict, Otto Folin and Walter Jones.

DR. E. E. SLOSSON, associate editor of *The Independent* and formerly professor of chemistry in the University of Wyoming, has been elected editor of the Science Service, the temporary headquarters of which are at 1701 Massachusetts Avenue, Washington, D. C.

J. D. MACKENZIE has succeeded Charles Cammell, now deputy minister of mines, in charge of the British Columbia office of Geological Survey at Vancouver.

PROFESSOR SANARELLI, director of the Institute of Hygiene of the University of Rome, and editor of *Annali d'Igiene*, and Dr. Nicola Badaloni, a well-known writer on social medicine, have recently been made Roman senators.

MR. FRANK BACHMANN has resigned his position as chief chemist, Industrial Waste Board, Connecticut State Department of Health, to accept a position in the sanitary engineering department of the Dorr Company of New York City.

R. S. WOGLUM, entomologist in charge of citrus fruit insect investigations in California for the Federal Bureau of Entomology, who for many years has been conducting researches in orchard fumigation with hydrocyanic acid, resigned on September 1 to head the newly established Bureau of Pest Control, in the California Fruit Growers Exchange, a cooperative organization of more than 10,000 citrus fruit growers.

DR. JOHN LOVETT MORSE, professor of pediatrics at the Harvard Medical School, who has been connected with the university since his graduation in 1887, has resigned, his resignation to take effect on July 1.

PROFESSOR A. B. MACALLUM, of McGill University, Montreal, will deliver a course of lectures, extending over seven months, at the medical college in Peking, China. He will leave for the Orient in March.

At the annual meeting of the Washington Academy of Sciences held on January 11, Dr. J. R. Johnston, chief of the Office of Plant Sanitation, Cuba, and director of research for the United Fruit Company, delivered the address on "Some problems in economic biology in tropical America." The 153d meeting of the academy will be a joint meeting with the Chemical Society of Washington and will be held in the Assembly Hall of the Cosmos Club (entrance on the south side of Cameron House) at 8:15 P.M., on Thursday, January 20, 1921. The retiring president of the academy, Dr. C. L. Alsberg, chief of the Bureau of Chemistry, U. S. Department of Agriculture will deliver an address on "The relation of chemical structure to physiological action."

THE Cutter lectures on preventive medicine and hygiene were delivered at the Harvard Medical School on January 11 and 12, by Dr.

Alonzo Taylor, on "General and specific effects of prolonged subnutrition."

PROFESSOR E. W. SKEATS, of the University of Melbourne, Australia, made an address on January 4 before the Geological Conference at Harvard University on "The geology of the state of Victoria."

PROFESSOR JOHN MERLE COULTER, head of the department of botany at the University of Chicago, gave two lectures in Cleveland last month on the McBride Foundation of Western Reserve University. The subject of the lectures was "History and present status of organic evolution." The purpose of the Foundation is to offer to the citizens of Cleveland semi-popular lectures upon various subjects by representatives from other universities.

SERVICES in memory of the late Major-General William C. Gorgas will be held in the hall of the Americas of the Pan-American Building, January 16, under the auspices of the Southern Society of Washington. The Secretary of War, Secretary of the Navy, Secretary of State, Adjt.-Gen. Peter C. Harris, Sir Auckland Geddes, and diplomatic representatives of Cuba, Panama and South American countries will deliver memorial addresses.

THE *Journal* of the American Medical Association writes that at the suggestion of the Niederrheinische Gesellschaft für Natur- und Heilkunde, a memorial tablet is to be placed on the birthplace in Bonn of the Berlin physiologist N. Zuntz, who died last spring. To the pupils and friends of Zuntz the society has issued an appeal for contributions.

DR. JOHN EMORY CLARK, professor of mathematics in the Sheffield Scientific School of Yale University from 1873 to 1901, died on January 3, in his eighty-ninth year.

REGIS CHAUVENET, president emeritus of the Colorado School of Mines, chemist and metallurgist, died in Denver recently at the age of seventy-eight.

ELIJAH P. HARRIS, emeritus professor of chemistry at Amherst College, has died at Warsaw, N. Y., at the age of eighty-eight. Dr. Harris retired as professor of chemistry at Amherst in 1907.

DR. NATHAN SMITH DAVIS, of Chicago, formerly dean of the college of medicine, Northwestern University, died on December 22, at Pasadena, at the age of sixty-two years.

At the annual meeting of the Carnegie Institution of Washington the Station for Experimental Evolution and the Eugenics Record Office at Cold Spring Harbor, without loss of their identity were, for administrative purposes, combined into the Department of Genetics, with C. B. Davenport, director of the department, Dr. C. C. Little assistant director for the Station, and Dr. H. H. Laughlin assistant director for the office. Professor Harold D. Fish, now of the University of Pittsburgh, was reappointed research associate of the department of genetics.

W. L. HARDING, governor of Iowa, in cooperation with Honorable J. B. Payne, Secretary of Interior, called a National Conference on Parks in Des Moines, Iowa, to be held January 10, 11 and 12. An unusually strong program was presented relative to national parks, state parks and municipal parks.

THE annual meeting of the Eastern Division of the American Philosophical Association was held at Columbia University, New York City, on December 28, 29 and 30. The address of the president, Professor R. B. Perry, of Harvard University, on "The appeal to reason," was given at the annual dinner on the evening of December 29.

THE fifth annual meeting of the American Association of Petroleum Geologists will be held at Tulsa, Oklahoma, March 17-19, 1921. Since the organization of the association, at Tulsa, in 1917, the membership has grown from less than a hundred members to almost six hundred. The meeting last year was held at Dallas, Texas. The present officers are: *President*, Wallace E. Pratt, Houston, Texas; *Vice-president*, Alex W. McCoy, Bartlesville, Oklahoma; *Secretary-Treasurer*, Charles E. Docker, Norman, Oklahoma; *Editor*, Raymond G. Moore, Lawrence, Kansas. Prominent geologists from all parts of the United States have signified their intention of attending the meet-

ing, and business of vital importance will be transacted.

THE National Research Council has available for free distribution a few copies of its Bulletin No. 5, "The Quantum Theory," by Dr. E. P. Adams, Princeton. This bulletin is a digest of the large number of highly technical mathematical-physical papers which appeared shortly before and during the war period, many of which have not been readily accessible to American physicists and mathematicians. Copies of the bulletin have already been sent to all regular members of the American Physical Society and to a selected number of mathematicians and astronomers.

THE Rockefeller Foundation has given to France complete control over the elaborate antituberculosis organization established in the department of Eure-et-Loir at a cost of 4,000,000 francs. The organization consists of twenty-four dispensaries, four complete isolation services, a departmental sanatorium and laboratory. The system will serve as a model for similar organizations to be established by the government throughout the country. The Rockefeller Foundation is now assisting in the antituberculosis campaign in thirty-eight of the eighty-seven departments and it is expected that this work will be continued for two years more.

UNIVERSITY AND EDUCATIONAL NEWS

DARTMOUTH COLLEGE will receive a bequest of \$250,000 under the will of Sanford H. Steele, to erect a memorial to his brother, Benjamin Hinman Steele, of the class of 1857, for instruction and research in chemistry.

THE Yale Corporation meeting on January 8 again postponed the election of a president to succeed Dr. Arthur T. Hadley.

TRUSTEES of the Connecticut Agricultural College have voted to ask the incoming State Legislature to appropriate \$625,000, of which \$400,000 is wanted to erect a new science building for the chemistry, botany, physics and bacteriological departments. Plans for